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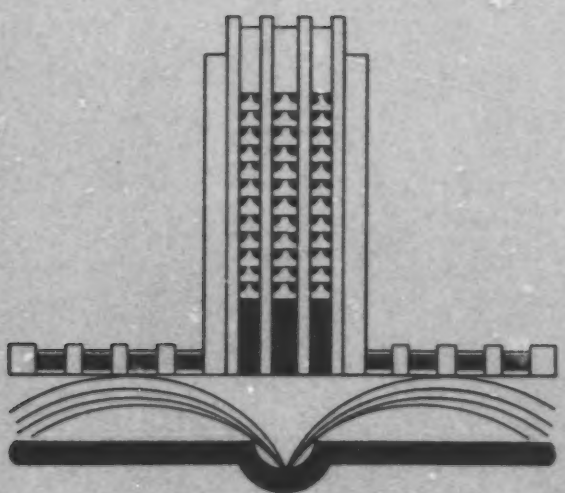

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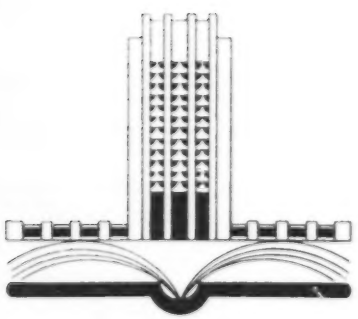

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S 4	S1-S3/AND
S 5	S1 and Starting/De, Ti
S 6	S4 or S5
S 7	Flower or Flowers or Vegetable? ? or Perennials or Ornamental? ? or Woody or Herbs
S 8	S7 and (Seed()Germination/De, Ti or S2)
S 9	Seed()Propagation/De, Ti
S 10	S6 or S8 or S9
S 11	Weed or Weeds or Pollen
S 12	S10 not S11
S 13	S12/Eng
S 14	PY=1983:1990
S 15	S13 and S14

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Acceleration of sweet corn germination at low temperatures with Terra-Sorb or water presoaks.
HJHSA. Sabota, C. ; Beyl, C.~Biedermann, J.A. Alexandria, Va. : American Society for Horticultural Science. HortScience. June 1987. v. 22 (3). p. 431-434. Includes references. (NAL Call No.: DNAL SB1.H6).

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Afterripening and harvesting effects on tabasco pepper seed germination performance.
HJHSA. Edwards, R.L. ; Sundstrom, F.J. Alexandria, Va. : American Society for Horticultural Science. HortScience. June 1987. v. 22 (3). p. 473-475. Includes references. (NAL Call No.: DNAL SB1.H6).

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Allelopathic effects of Chrysanthemum morifolium on germination and growth of several herbaceous plants.
JCECD. Kil, B.S. ; Lee, S.Y. New York, N.Y. : Plenum Press. Journal of chemical ecology. Feb 1987. v. 13 (2). p. 299-308. Includes references. (NAL Call No.: DNAL QD415.A1J6).

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Allelopathic effects of juglone on germination and growth of several herbaceous and woody species (Juglans nigra, Lonicera maackii, Lespedeza cuneata, Trifolium incarnatum, Alnus glutinosa, Elaeagnus umbellata).
Rietveld, W.J.JCECD. New York : Plenum Press. Journal of chemical ecology. Feb 1983. v. 9 (2). p. 295-308. Includes references. (NAL Call No.: QD415.A1J6).

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Application methods and rates of ancymidol on plant height and seed germination of bedding plants.
HJHSA. Murray, G.E. ; Sanderson, K.C.~Williams, J.C. Alexandria, Va. : American Society for Horticultural Science. HortScience. Feb 1986. v. 21 (1,section 1). p. 120-122. Includes references. (NAL Call No.: DNAL SB1.H6).

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Asparagus: the second time around (Asparagus officinalis, starting with seed).
Kane, M. Emmaus : Rodale Press. Organic gardening. Mar 1984. v. 31 (3). p. 53-54, 57-62. ill. (NAL Call No.: 57.8 OR32).

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Automated seedling length measurement for germination/vigor estimation using a CASAS (Computerized Automated Seed Analysis System).
JSTED. Keys, R.D. ; Margapuram, R.G.~Reusche, G.A. East Lansing, Mich. : Association of Official Seed Analysts. Journal of seed technology. 1984. v. 9 (1). p. 40-53. ill. Includes 5 references. (NAL Call No.: DNAL SB113.2.J6).

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Autumn glory--knowing and growing the versatile Chinese pistache.
ANURA. Browse, P.M. Chicago, Ill. : American Nurseryman Publishing Co. American nurseryman. Jan 1, 1988. v. 167 (1). p. 115-116, 118, 120. Includes references. (NAL Call No.: DNAL 80 AM371).

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Bacillus cereus contamination of seeds and vegetable sprouts grown in a home sprouting kit.
JFPRDR. Harmon, S.M. ; Kautter, D.A.~Solomon, H.M. Ames, Iowa : International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. Jan 1987. v. 50 (1). p. 62-65. Includes references. (NAL Call No.: DNAL 44.8 J824).

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Ball culture guide the encyclopedia of seed germination /written by Jim Nau.
Nau, Jim. Chicago, IL : Ball Seed Co., 1989. 112 p. : ill. ; 22 x 23 cm. Includes bibliographical references (p. 7). (NAL Call No.: DNAL QK740.N38).

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MNLHA. Roeggen, O. As : Det Universitet. Meldinger fra Norges landbrukshogskole = Scientific reports of the Agricultural University of Norway. 1986. v. 65 (16). 6 p. Includes references. (NAL Call No.: DNAL 104 N762M).

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Ahmed Khan, I. ; Subhan, A.~Ahmed Y. A. Jodphur : Dr. David N. Sen. Geobios. Jan 1984. v. 11 (1). p. 41-42. Includes references. (NAL Call No.: QH301.A1G4).

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Characterization and germination of chasmogamous and basal axillary cleistogamous florets of Texas wintergrass.
JRMGA. Call, C.A. ; Spoonts, B.O. Denver, Colo. : Society for Range Management. Journal of range management. Jan 1989. v. 42 (1). p. 51-55. Includes references. (NAL Call No.: DNAL 60.18 J82).

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Clues to butterfly milkweed germination emerge from a literature search.
ANURA. Borland, J. Chicago, Ill. : American Nurseryman Publishing Co. American nurseryman. Mar 1, 1987. v. 165 (5). p. 91-92, 94-96. Includes references. (NAL Call No.: DNAL 80 AM371).

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Collecting, processing, and germinating seeds of wildland plants /James A. Young & Cheryl G. Young.
Young, James A. ; Young, Cheryl G. Portland, Or. : Timber Press : exclusive distributor, ISBS, c1986. 236 p. : ill. ; 24 cm. Includes bibliographies and index. (NAL Call No.: DNAL QK661.Y6).

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Comparative phosphatase activities in four species during germination in NaCl media.
JPNUDS. Guerrier, G. New York, N.Y. : Marcel Dekker. Journal of plant nutrition. May 1988. v. 11 (5). p. 535-547. Includes references. (NAL Call No.: DNAL QK867.J67).

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Salsedo, C.A. Storrs, Conn. : The Service. Connecticut greenhouse newsletter - University of Connecticut, Cooperative Extension Service. Jan 1984. Jan 1984. (119). p. 5-6. Includes references. (NAL Call No.: SB415.C625).

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JOSHB. Hill, H.J. ; Taylor, A.G.-Min, T.G. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1989. v. 114 (4). p. 661-665. Includes references. (NAL Call No.: DNAL 81 SO12).
The objective of this study was to determine the relationship between seed density and seed quality of vegetable seeds hydrated by imbibing or priming procedures. Species studied were: lettuce (Lactuca sativa L.), tomato (Lycopersicon esculentum Mill.), onion (Allium cepa L.), cabbage (Brassica oleracea var. capitata L.), and carrot (Daucus carota L.). Seeds of each crop were soaked in either aerated distilled water at 25C (imbibed seeds) or polyethylene glycol (PEG) 8000 at 15C (primed seeds). After soaking, seeds were separated into density classes with a float-sink procedure using aqueous solutions of Maltrin 600 (Maltrin 500 for lettuce) with 0.02 g.cm-3 density increments. Significant (P greater than 0.01) positive relationships were determined between seed density classes and germination percentages for lettuce, tomato, and onion seeds, whether separated after imbibition (R2 = 0.93, 0.83, and 0.66, respectively) or after priming (R2 = 0.95, 0.94, and 0.91, respectively). High-density classes of hydrated lettuce, tomato, and onion seeds in either the imbibed or primed treatment usually exhibited faster and more uniform rates of radicle emergence and, after 6 days, had longer hypocotyls (cotyledon for onions) than low-density classes. The significant quality difference exhibited among the density classes of lettuce, tomato, and onion seeds after priming will enable seedlots of these species to be upgraded by discarding the low-density, poor-quality seeds.

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SSTCB. Gaspar, S. ; Boros, R. Zurich : International Seed Testing Association. Seed science and technology. 1984. v. 12 (2). p. 623-628. ill. Includes references. (NAL Call No.: DNAL SB117.S455).

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Ernst, W.H.O. ; Tietema, T.-Veenendaal, E.M.-Masene, R. Cambridge : Cambridge University Press. Journal of tropical ecology. May 1988. v. 4 (pt.2). p. 185-198. ill. Includes references. (NAL Call No.: DNAL QH541.5.T7J68).

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Effect of a hydrophilic polymer seed coating on the imbibition, respiration and germination of sweet corn at four matric potentials.
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Effect of different doses of nitrogen and phosphorus on seed germination and mineral contents in tinda (Paracitrullus vulgaris Watt.) seed crop.
IJARC. Mangal, J.L. ; Singh, H.-Srivastava, V.K. Karnal : Agricultural Research Communication Centre. Indian journal of agricultural research. Sept 1984. v. 18 (3). p. 133-136. Includes references. (NAL Call No.: DNAL 53.I5).

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Effect of ethephon on seed germination and seedling growth in triticale (Plant growth regulator).
Paliwal, N.K. ; Agarwal, S. Jodhpur : K.G. Purohit. Comparative physiology and ecology. Oct/Dec 1983. v. 8 (4). p.

257-258. Includes references. (NAL Call No.: QP82.A1C6).

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Effect of growth regulators on flowering, number of umbels, seed yield and seed quality of carrot (Daucus carrota).
AHORA. Elbella, M. ; Cantliffe, D.J. Wageningen : International Society for Horticultural Science. Acta horticulturae. In the series analytic: Timing of field production of vegetables / edited by D.J. Cantliffe and H.H. Bryan. Proceedings of a symposium, October 28-November 1, 1985, Tampa, Florida. June 1987. (198). p. 163-170. Includes references. (NAL Call No.: DNAL 80 AC82).

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IJFOD. Verma, A.N. ; Tandon, P. Dehra Dun : G.S. Gahlot. Indian journal of forestry. Mar 1988. v. 11 (1). p. 32-36. Includes references. (NAL Call No.: DNAL SD223.I53).

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Dehgan, B.HJHSA. ; Schutzman, B. Alexandria : American Society for Horticultural Science. HortScience. June 1983. v. 18 (3). p. 371-372. ill. Includes references. (NAL Call No.: SB1.H6).

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Effect of IBA on germination, yield, carotene and ascorbic acid content of carrot.
IJHOA. Maurya, K.R. Bangalore : K. L. Chadha. The Indian journal of horticulture. Mar/June 1986. v. 43 (1/2). p. 118-120. Includes references. (NAL Call No.: DNAL 80 IN2).

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ABOIB. Rao, P.B. ; Singh, S.P. Meerut, India : Society for Advancement of Botany. Acta botanica Indica. Dec 1987. v. 15 (2). p. 247-254. Includes references. (NAL Call No.: DNAL QK1.A28).

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TAGLA. Enu-Kwesi, L. ; Nwalozie, M.-Anyanwu, D.I. Guildford : Butterworth Scientific. Tropical agriculture. July 1986. v. 63 (3). p. 181-184, 245. Includes references. (NAL Call No.: DNAL 26 T754).

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Effect of saline water and CCC on germination and seedling growth on cucumber (Cucumis sativus).
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Effect of seed coat on peach seed germination.
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The effect of seed priming and fluid drilling on germination emergence and growth of vegetables at unfavorable temperatures.
AHORA. Globerson, D. ; Feder, Z. Wageningen : International Society for Horticultural Science. Acta horticulturae. In the series analytic: Timing of field production of vegetables / edited by D.J. Cantliffe and H.H. Bryan. Proceedings of a symposium, October 28-November 1, 1985, Tampa, Florida. June 1987. (198). p. 15-21. Includes references. (NAL Call No.: DNAL 80 AC82).

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Firgany, A.H. ; El-Hindi, M.H.-El-Moursey, S.A. Cairo : National

Information and Documentation Centre. Egyptian journal of agronomy. 1980 (pub. 1983). v. 5 (2). p. 119-125. Includes references. (NAL Call No.: SB183.E32).

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Effect of stage of harvesting and seed treatment on germination, seedling emergence and growth in Corchorus olitorius 'Oniyaya'.
Oladiran, J.A. Amsterdam : Elsevier Science Publishers. Scientia horticulturae. Apr 1986. v. 28 (3). p. 227-233. Includes references. (NAL Call No.: DNAL SB13.S3).

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Effect of storage conditions on germination, moisture content and some biochemical substances in citrus seeds. II. Trifoliate orange and pummelo.
Mallareddy, K. ; Sharma, B.B. New Delhi : Indian Society of Seed Technology. Seed research. June 1983. v. 11 (1). p. 56-59. Includes references. (NAL Call No : SB113.2.S4).

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Effect of storage treatments and containers on seed germination and seedling vigour in tomato Co. 2.
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The effect of stratification and GA3 on germination of filbert seed as influenced by dry storage.
PNGOA. Nussbaum, E.S. ; Lagerstedt, H.B. Tigard, Or. : The Society. Proceedings of the Nut Growers Society of Oregon, Washington & British Columbia. 1983. (68th). p. 86-88, 90-92. ill. Includes 9 references. (NAL Call No.: DNAL 94.69 W52).

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Effect of synthetic media on asymbiotic seed germination and seedling growth of Dendrobium nobile and Sarcanthus pallidus.
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Effect of temperature and moisture on germination in spinach (Spinacia oleracea L.).
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Effect of threshing cylinder speeds on amaranth seed germination.
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Effect of treatment of cucumber seeds with growth regulators on emergence and yield of plants in the field.
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Effects of adding plant nutrients to the gel carrier used for fluid drilling germinating lettuce and onion seeds (Lactuca sativa, Allium cepa).
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Effects of fruit maturity, storage, presoaking, and seed cleaning on germination in three species of palms.
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The effects of grading and 'priming' seeds of crisp lettuce cv. Saladin, on germination at high temperature, seed 'vigour' and crop uniformity.
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Effects of growth regulators on germination of Picea abies and Pinus sylvestris seeds.
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Effects of osmotic priming and ageing on onion seed germination.
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Effects of osmotic priming on seed germination and seedling growth in leek.
Brocklehurst, P.A. ; Dearman, J.-Drew, R.L.K. Amsterdam : Elsevier Science Publishers. Scientia horticulturae. Dec 1984. v. 24 (3/4). p. 201-210. Includes references. (NAL Call No.: DNAL SB13.S3).

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The effects of osmotic solute composition and duration and temperature of priming on onion seed germination.
SSTCB. Furutani, S.C. ; Zandstra, B.H.-Price, H.C. Zurich : International Seed Testing Association. Seed science and technology. 1986. v. 14 (3). p. 545-551. Includes references. (NAL Call No.: DNAL SB117.S455).

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AGJREB. Abulfatih, H.A. ; Bazzaz, F.A. Riyadh : Arab Bureau of Education for the Gulf States. Arab Gulf journal of scientific research. Dec 1985. v. 3 (2). p. 449-459. ill. Includes references. (NAL Call No.: DNAL Q1.A65).

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The lack of correlation between ATP accumulation in seeds at the early stage of germination and seed quality (Vegetable plants, sorghum, wheat).
Mazor, L. ; Negbi, M.~Perl, M. Oxford : Clarendon Press. Journal of experimental botany. Aug 1984. v. 35 (157). p. 1128-1135. ill. Includes references. (NAL Call No.: 450 J8224).

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Legumin and albumin of pea cotyledons during seed germination (Pisum sativum).
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Long-term effects of RF dielectric heating on germination of alfalfa seed.
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Low temperature and gibberellic acid stimulation of germination in Sambucus caerulea Raf.
Norton, C.R. Amsterdam : Elsevier Science Publishers. Scientia horticulturae. May 1986. v. 28 (4). p. 323-329. Includes references. (NAL Call No.: DNAL SB13.S3).

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Low temperature germination of celery seeds for fluid drilling.
JOSHB. Furutani, S.C. ; Zandstra, B.H.~Price, H.C. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1985. v. 110 (2). p. 153-156. Includes 23 references. (NAL Call No.: DNAL 81 S012).

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Magnetic conditioning of seeds of leek (Allium porrum L.) to increase seed lot germination percentage.
JSTED. Krishnan, P. ; Berlage, A.G. East Lansing, Mich. : Association of Official Seed Analysts. Journal of seed technology. 1986. v. 10 (1). p. 74-80. Includes 15 references. (NAL Call No.: DNAL SB113.2.J6).

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Member's advice on germinating seed (in Santa Monica California, ferns, Asplenium, Adiantum).
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AHORA. Lederle, E. ; Krug, H. Wageningen : International Society for Horticultural Science. Acta horticulturae. Presented at the Twelth Working Party on Greenhouse Cucumbers, Skierniewice, Poland, May 8-11, 1984. Apr 1985. (156). p. 105-116. Includes references. (NAL Call No.: DNAL 80 AC82).

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Moisture content, freezing, and storage conditions influence germination of amaryllis seed.
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The mystery of milkweed germination.
ANURA. Bir, R.E. Chicago, Ill. : American Nurseryman Publishing Co. American nurseryman. Nov 15, 1986. v. 164 (10). p. 94-97. (NAL Call No.: DNAL 80 AM371).

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Natural protective blocks in the germination of seeds.
AHORA. Atwater, B.R. ; Vivrette, N.J. Wageningen : International Society for Horticultural Science. Acta horticulturae. In the series analytic: Germination of Ornamental Plant Seeds / edited by K.J. Bradford. Proceedings of the 22nd International Horticultural Congress, August 12, 1986, Davis, California. April 1987. (202). p. 57-68. ill. Includes references. (NAL Call No.: DNAL 80 AC82).

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Ontogeny and yield response of common and tepary beans to temperature.
AGJOAT. Scully, B. ; Waines, J.G. Madison, Wis. : American Society of Agronomy. Agronomy journal. Nov/Dec 1988. v. 80 (6). p. 921-925. Includes references. (NAL Call No.: DNAL 4 AM34P).
Temperature affects crop development and yield. In this study the effect of temperature on emergence, vegetative development, and yield of common bean (Phaseolus vulgaris L.) and tepary bean (P. acutifolius A. Gray) was compared. In the growth chamber nine common bean accessions were evaluated for emergence response over planting depths of 25, 50, and 75 mm, and at constant temperatures of 15, 20, 25, 30, and 35 degrees C. The three depths had no significant effect on emergence between 20 and 30 degrees C, but at 15 and 35 degrees C the increased depth significantly delayed emergence. The most rapid germination and emergence occurred at 30 degrees C under these controlled conditions. In the field emergence of the same common bean accessions was compared to tepary bean; tepary bean emerged about 1.5 d earlier than common bean at soil temperatures of 18 to 28 degrees C. The effect of temperature on vegetative development was evaluated by a linear heat unit system that measured base temperature (Tbase) and heat units to flowering. Under field conditions common bean had an average base temperature (Tbase) lower than tepary bean, and required more heat units to flower. Genotypic differences for base temperatures and heat unit requirements existed among accessions within both species when grown at Riverside, CA, on an Arlington fine sandy loam (coarse-loamy, mixed, thermic Haplic Durixeralf). Tepary bean produced higher yields than common bean under hot summer conditions, but lower yields under early spring conditions.

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Osmoconditioning of beet seeds to improve emergence and yield in cold soil (Beta vulgaris, germination, seedling establishment).
Khan, A.A.AGJOA. ; Peck, N.H.-Taylor, A.G.-Samimy, C. Madison : American Society of Agronomy. Agronomy journal. Sept/Oct 1983. v. 75 (5). p. 788-794. ill. Includes references. (NAL Call No.: 4 AM34P).

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Osmotic priming of tomato seeds: effects on germination, field emergence, seedling growth, and fruit yield.
JOSHB. Alvarado, A.D. ; Bradford, K.J.-Hewitt, J.D. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May 1987. v. 112 (3). p. 427-432. Includes references. (NAL Call No.: DNAL 81 SO12).

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Osmotic priming studies in some vegetable seeds.
AHORA. Saxena, O.P. ; Singh, G. Wageningen : International Society for Horticultural Science. Acta horticulturae. In the series analytic: Seed research in horticulture / edited by H.H. van der Borg. Proceedings of a Symposium, May 6-10, 1985, Geisenheim, Germany. Oct 1987. (215). p. 201-207. Includes references. (NAL Call No.: DNAL 80 AC82).

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Palm seed germination.
Donselman, H. ; Broschat, T.K. Honolulu : The Service. Horticulture digest - University of Hawaii, Cooperative Extension Service. Mar 1987. (83). p. 1-2. Includes references. (NAL Call No.: DNAL SB403.H6).

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Palm seed storage and germination studies.
PRNCA. Broschat, T.K. ; Donselman, H. Lawrence, Kan. : The International Palm Society. Principes. Jan 1988. v. 32 (1). p. 3-12. Includes references. (NAL Call No.: DNAL 80 P932).

0153
Pepper seed respiration, germination, and seedling development following seed priming.
HJHSA. Sundstrom, F.J. ; Edwards, R.L. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1989. v. 24 (2). p. 343-345. Includes references. (NAL Call No.: DNAL SB1.H6).

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Performance of carrot seeds possessing different germination rates within a seed lot.
JASIAB. Finch-Savage, W.E. ; McQuistan, C.I. Cambridge : Cambridge University Press. The Journal of agricultural science. Feb 1988. v. 110 (pt.1). p. 93-99. Includes references. (NAL Call No.: DNAL 10 J822).

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Physiology and biochemistry of seeds in relation to germination / J.D. Bewley, M. Black. -.
Bewley, J. D. (J. Derek), 1943-. ; Black, M.~ (Michael). Berlin New York Springer-Verlag 1983-. v. : ill. ; 25 cm. Includes bibliographies and index. (NAL Call No.: QK661.B42 1983).

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Pioneers in production (High-germination seed, plug industry).
Stefanczyk, K. Chicago, Ill. : Florists' Publishing Company. Florists' review. Feb 9, 1984. v. 174 (4497). p. 40-42. (NAL Call No.: 80 W41).

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Planting date and temperature effects on germination, emergence, and seed yield of chickpea.
AGJOAT. Auld, D.L. ; Bettis, B.L.~Crock, J.E.~Kephart, K.D. Madison, Wis. : American Society of Agronomy. Agronomy journal. Nov/Dec 1988. v. 80 (6). p. 909-914. Includes references. (NAL Call No.: DNAL 4 AM34P).
Commerical production of chickpea (Cicer arietinum L.) in the Palouse region of northern Idaho and eastern Washington was initiated in 1981. Since the cool springs and short growing season of this area limit the adaptation of chickpea, field and laboratory studies evaluating 10 chickpea lines were conducted to optimize the planting date of this new pulse crop. Laboratory germination and radicle elongation of the 10 lines at 5, 13, and 20 degrees C were compared to field emergence and seedling growth at Moscow, ID, on a Palouse silt loam (fine-silty, mixed, mesic Pachic Ultic Haploxeroll) during 1982 and 1984. The 10 lines were also planted in late April, early May, and late May to determine the effect of planting date on yield components and seed yield. Greatest germination and radicle elongation of all 10 lines occurred at 20 degrees C. At 5 degrees C, less than half of the seed germinated within 7 d, and radicle elongation was less than 4% of that observed at 20 degrees C. The 10 lines did not differ in their ability to germinate under cold conditions in the laboratory. Under field conditions of 1984, the Desi lines with pigmented testa showed a higher percentage of emergence than the non-pigmented Kabuli lines. Seedling dry weight accumulation was most rapid in the large seeded Kabuli seedlings and slowest in the smaller seeded Desi seedlings. Planting in late April produced higher seed yields than planting in late May (34 and 5% in 1982 and 1984, respectively). However, seedling emergence was slower at the early planting date. These results indicate that chickpea grown in areas with cool climates such as northern Idaho should be planted in the early spring when average soil temperatures exceed 13 degrees C to insure optimum seed yield.

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Planting methods to improve stand establishment, uniformity, and earliness to flower in bell pepper.
JOSHB. Schultheis, J.R. ; Cantliffe, D.J.~Bryan, H.H.~Stoffella, P.J. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. May 1988. v. 113 (3). p. 331-335. ill. Includes references. (NAL Call No.: DNAL 81 SO12).

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Plasticity and polymorphism in seed germination of Mimulus guttatus (Scrophulariaceae) (Yellow monkey flower).
Vikery, R.K. Jr.GRBNA. Provo : Brigham Young University. The Great Basin naturalist. July 31, 1983. v. 43 (3). p. 470-474. Includes references. (NAL Call No.: 410 G79).

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The potential of plant growth regulators for improving vegetable seed quality.
MBPGDX. Gray, D. Bristol : The Group. Monograph - British Plant Growth Regulation Group. In the series analytic: Growth regulators and seeds / edited by N.J. Pinfield and M. Black.~ Literature review. Sept 1987. (15). p. 93-105. ill. Includes references. (NAL Call No.: DNAL SB128.M66).

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Potting soil primer: seed-starting and container-growing require special soil adaptations.
ORGAA. Sussman, V. Emmaus, Pa. : Rodale Press. Organic gardening. Jan 1985. v. 32 (1). p. 28-32. ill. (NAL Call No.: DNAL 57.8 OR32).

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Practical germination of North American and related orchids. 3. Calopogon tuberosus, Calypso bulbosa, Cypripedium species and hybrids, Piperia elegans var. elata, Piperia maritima, Platanthera hyperborea, and Platanthera saccata.
Arditti, J. ; Oliva, A.-Michaud, J.D. Cambridge, Mass. : The Society. American Orchid Society bulletin. July 1985. v. 54 (7). p. 859-866. Includes references. (NAL Call No.: DNAL 80 AM329).

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Pre-germination and germination changes in storage components and alpha galactosidase activity in Striga asiatica seeds /by Mary Eugenia Menetrez.
Menetrez, Mary Eugenia. 1985. Thesis (Ph. D.)--North Carolina State University, 1985. Cover title. v, 96 leaves : ill. ; 29 cm. Bibliography: leaves 89-96. (NAL Call No.: DNAL QK740.M4).

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Preliminary germination test data for Mytaceae other than Eucalyptus.
Turnbull, J. ; Doran, J. Melbourne, Australia : Inkata Press, 1987. Germination of Australian native plant seed / Peter Langkamp, editor. p. 194-195. (NAL Call No.: DNAL SB117.4.A8G4).

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Preplant seed treatment of tomato for the control of Xanthomonas campestris (Pamm.) Dows. pv. vesicatoria (Doidge) Dye.
AHORA. McMillan, R.T. Jr. Wageningen : International Society for Horticultural Science. Acta horticulturae. In the series analytic: Timing of field production of vegetables / edited by D.J. Cantliffe and H.H. Bryan. Proceedings of a symposium, October 28-November 1, 1985, Tampa, Florida. June 1987. (198). p. 53-57. Includes references. (NAL Call No.: DNAL 80 AC82).

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Priming and pre-germination of parsnip (Pastinaca sativa L.) seed.
Gray, D. ; Brocklehurst, P.A.-Steckel, J.R.A.-Dearman, J. Ashford : Headley Brothers Ltd. The Journal of horticultural science. Jan 1984. v. 59 (1). p. 101-108. ill. Includes references. (NAL Call No.: 80 J825).

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Priming seed to enhance germination.
McAvoy, R.J. Storrs, Conn. : The Service. Connecticut greenhouse newsletter - University of Connecticut, Cooperative Extension Service. Dec 1988. (147). p. 6-7. Includes references. (NAL Call No.: DNAL SB415.C625).

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Problems associated with the routine application of electrical conductivity measurements of individual seeds in the germination testing of peas and soyabeans.
SSTCB. Hepburn, H.A. ; Powell, A.A.-Matthews, S. Zurich : International Seed Testing Association. Seed science and technology. 1984. v. 12 (2). p. 403-413. Includes references. (NAL Call No.: DNAL SB117.S455).

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Procedures for propagating herbs for the National Herb Garden.
Concord, Mass. : Herb Society of America. The Herbarist. 1988. (54). p. 53-57. Includes references. (NAL Call No.: DNAL 80 H41).

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Production and harvest influences on woody plant seed germination.
AHORA. Struve, D.K. ; Jett, J.B.-Bramlett, D.L. Wageningen : International Society for Horticultural Science. Acta horticulturae. In the series analytic: Germination of Ornamental Plant Seeds / edited by K.J. Bradford. Proceedings of the 22nd International Horticultural Congress, August 12, 1986, Davis, California. April 1987. (202). p. 9-21. Includes references. (NAL Call No.: DNAL 80 AC82).

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Recent developments in osmotic treatment of vegetable seeds.
AHORA. Brocklehurst, P.A. ; Dearman, J.-Drew, R.L.K. Wageningen : International Society for Horticultural Science. Acta horticulturae. In the series analytic: Seed research in horticulture / edited by H.H. van der Borg. Proceedings of a Symposium, May 6-10, 1985, Geisenheim, Germany. Oct 1987. (215). p. 193-200. Includes references. (NAL Call No.: DNAL 80 AC82).

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Report of the Flower Seed Committee 1980-83 (Germination methods).
Jensen, H.A. Zurich : International Seed Testing Association. Seed science and technology. 1984. Paper presented at the Twentieth International Seed Testing Congress, held June 17-25, 1983, Ottowa, Canada. v. 12 (1). p. 319-332. (NAL Call No.: SB117.S455).

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The response of Primula species to soil waterlogging and soil drought (Flowering perennials, ecophysiology, gas exchange, germination, growth, water stress, British Isles).

Whale, D.M.OECOB. Berlin, W. Ger. : Springer International. Oecologia. 1983. v. 58 (2). p. 272-277. ill. Includes references. (NAL Call No.: QL750.O3).

O174
The response of woody plants to disturbance: patterns of establishment and growth.
Canham, C.D. ; Marks, P.L. Orlando, Fla. : Academic Press, 1985. The Ecology of natural disturbance and patch dynamics / edited by S.T.A. Pickett, P.S. White. p. 197-216. Includes references. (NAL Call No.: DNAL QH545.N3E?8).

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Role of allelopathy, heat and charred wood in the germination of chaparral herbs and suffrutescents.
JECOA. Keeley, J.E. ; Morton, B.A.~Pedrosa, A.~Trotter, P. Oxford : Blackwell Scientific. Journal of ecology. July 1985. v. 73 (2). p. 445-458. Includes references. (NAL Call No.: DNAL 450 J829).

O176
Role of charred wood in the germination of the chaparral herbs Emmenanthe penduliflora (Hydrophyllaceae) and Eriophyllum confertiflorum (Asteraceae).
MADRA. Keeley, J.E. ; Nitzberg, M.E. Berkeley, Calif. : California Botanical Society. Madrono. Oct 1984. v. 31 (4). p. 208-218. Includes references. (NAL Call No.: DNAL 450 M26).

O177
Role of fire in seed germination of woody taxa in California chaparral.
ECOLA. Keeley, J.E. Tempe, Ariz : Ecological Society of America. Ecology : a publication of the Ecological Society of America. Apr 1987. v. 68 (2). p. 434-443. Includes references. (NAL Call No.: DNAL 410 EC7).

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Role of fire in the germination of chaparral herbs and suffrutescents.
MADRA. Keeley, J.E. ; Keeley, S.C. Berkeley, Calif. : California Botanical Society. Madrono. July/Sept 1987. v. 34 (3). p. 240-249. Includes references. (NAL Call No.: DNAL 450 M26).

O179
Salt effects on germination and seedling emergence of several vegetable crops and guayule.
IRSCD2. Miyamoto, S. ; Piela, K.~Petticrew, J. Berlin, W. Ger. : Springer International. Irrigation science. 1985. v. 6 (3). p. 159-170. Includes references. (NAL Call No.: DNAL S612.I756).

O180
Salt effects on germination, emergence, and seedling mortality of onion.
AGJOAT. Miyamoto, S. Madison, Wis. : American Society of Agronomy. Agronomy journal. Mar/Apr 1989. v. 81 (2). p. 202-207. Includes references. (NAL Call No.: DNAL 4 AM34P).
Good stands of furrow irrigated onion (Allium cepa L.) are difficult to obtain in saline areas of the Southwest. This study examined salt effects on seed germination, emergence, and seedling mortality of five onion cultivars in a series of greenhouse experiments at diurnal temperatures of 15 to 25 degrees C. Germination exceeded 80% within 10 d at solution salinity of 20 dS m-1 or less. Cultivar effects on germination appeared initially, but diminished after approximately 1 wk. Seedling emergence from potted and subirrigated loamy sand declined significantly when salinity of irrigation water exceeded 4.9 dSm-1. This decline was apparently caused by hypocotyl mortality when the cotyledon came into contact with the salts accumulated at the soil surface, but not by reduced seed germination. Soluble salts accumulated mostly within the top 5 mm of the soil and the accumulation below 5 mm was minimal. The removal of the salted surface layer improved seedling emergence. Leaching of the surface-accumulated salts into the seedling root zone 3 wk after seeding resulted in seedling mortality of significant magnitude; 12 and 20% in seedlings previously subirrigated with solutions of 2.8 and 4.9 dS m-1, respectively. A significant increase in seedling mortality was also observed when seedlings were sprayed twice after emergence with saline solutions of 28 and 39 dS m-1. The ability of cotyledons and seedlings to tolerate salinity, rather than the ability of seed to germinate in highly saline solutions, may be a limiting factor for obtaining good stands in furrow-irrigated onion in saline areas.

O181
Screening through germination trials--Australian species for saline areas.
IFORA8. Gogate, M.G. ; Mittal, R.C.~Pyarelal. Dehra Dun : N.M. Misra. The Indian forester. Oct 1984. v. 110 (10). p. 982-988. Includes references. (NAL Call No.: DNAL 99.8 IN2).

O182
Seed after-ripening and temperature influence Butia capitata germination.
HJHSA. Carpenter, W.J. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1988. v. 23 (4). p. 702-703. Includes references. (NAL Call No.: DNAL SB1.H6).

O183
Seed desiccation and recalcitrance in Telfairia occidentalis.
SSTCB. Akoroda, M.O. Zurich : International Seed Testing Association. Seed science and technology. 1986. v. 14 (2). p. 327-332. Includes references. (NAL Call No.: DNAL SB117.S455).

O184
Seed deterioration studies in some vegetable seeds.
AHORA. Saxena, O.P. ; Singh, G.~Pakeeraiah, T.~Pandey, N. Wageningen : International Society for Horticultural Science. Acta horticulturae. In the series analytic:

Seed research in horticulture / edited by H.H. van der Borg. Proceedings of a Symposium, May 6-10, 1985, Geisenheim, Germany. Oct 1987. (215). p. 39-44. Includes references. (NAL Call No.: DNAL 80 AC82).

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Seed development and germination in the Myrtaceae.
Turnbull, J. ; Doran, J. Melbourne, Australia : Inkata Press, 1987. Germination of Australian native plant seed / Peter Langkamp, editor. Literature review. p. 46-57. ill. Includes references. (NAL Call No.: DNAL SB117.4.A8G4).

0186
Seed dormancy and germination /J.W. Bradbeer.
Bradbeer, J. W. Glasgow : Blackie ; New York : Chapman and Hall, 1988. Includes index. x, 146 p. : ill. ; 21 cm. Bibliography: p. 132 -137. (NAL Call No.: DNAL QK740.B73).

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Seed dormancy and germination light and nitrate /Henk W.M. Hilhorst.
Hilhorst, Henk W. M., 1954-. 1990 . Thesis (doctoral)--Landbouwuniversiteit te Wageningen, 1990. Summary also in Dutch.- Hypotheses inserted.- Includes vita. vii, 109 p. : ill. ; 24 cm. Includes bibliographical references. (NAL Call No.: DNAL DISS F1990009).

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Seed germination and crop production.
Cardwell, V.B. Madison, Wis. : American Society of Agronomy : Crop Science Society of America, 1984. Physiological basis of crop growth and development / M.B. Tesar, editor. p. 53-92. ill. Includes references. (NAL Call No.: DNAL SB112.5.P48).

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Seed germination characteristics of selected native plants of the lower Rio Grande Valley, Texas.
JRMGA. Vora, R.S. Denver, Colo. : Society for Range Management. Journal of range management. Jan 1989. v. 42 (1). p. 36-40. Includes references. (NAL Call No.: DNAL 60.18 J82).

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Seed germination characteristics of three woody plant species from South Texas (Blackbrush, Acacia rigidula, guajillo, Acacia berlandieri, and guayacan, Porlieria angustifolia).
Everitt, J.H.JRMGA. Denver : Society for Range Management. Journal of range management. Mar 1983. v. 36 (2). p. 246-249. Includes references. (NAL Call No.: 60.18 J82).

0191
Seed germination characteristics of two woody legumes (retama and twisted Acacia) from south Texas (Parkinsonia aculeata, Acacia schaffneri).
Everitt, J.H.JRMGA. Denver : Society for Range Management. Journal of range management. July 1983. v. 36 (4). p. 411-414. ill. Includes references. (NAL Call No.: 60.18 J82).

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Seed germination medium made easy.
Nelson, S. West Palm Beach, Fla. : The Society. American Orchid Society bulletin. Jan 1990. v. 59 (1). p. 39-40. (NAL Call No.: DNAL 80 AM329).

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Seed germination of Alaska iris, Iris setosa ssp. interior.
HJHSA. Holloway, P.S. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1987. v. 22 (5). p. 898-899. Includes references. (NAL Call No.: DNAL SB1.H6).

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Seed germination of Bossiaea foliosa.
James, E.A. Picnic Point : Society for Growing Australian Plants. Australian plants. Mar 1984. v. 12 (98). p. 273-275. ill. Includes references. (NAL Call No.: 450 AU73).

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Seed germination of Serenoa repens.
Carpenter, W.J. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986 (pub. 1987). v. 99. p. 158-159. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0196
Seed germination requirements of native Colorado plants for use in the landscape (Herbaceous and woody plants, ornamentals, cool-moist stratification).
Cox, R.A. ; Klett, J.E. Boulder, Colo. : International Plant Propagators' Society. The Plant propagator. June 1984. v. 30 (2). p. 6-10. Includes references. (NAL Call No.: 81 P692).

0197
Seed germination test methods for home use.
Robertson, L. Moscow, Idaho : The Service. Current information series - Cooperative Extension Service, University of Idaho. Mar 1989. (841). 2 p. (NAL Call No.: DNAL 275.29 ID13IDC).

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Seed hydration treatments for improved sweet corn germination and stand establishment.
JOSHB. Bennett, M.A. ; Waters, L. Jr. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1987. v. 112 (1). p. 45-49. Includes 15 references. (NAL Call No.: DNAL 81 SO12).

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Seed imbibition: a critical period for successful germination.
JSTED. Woodstock, L.W. East Lansing, Mich. : Association of Official Seed Analysts. Journal of seed technology. 1988. v. 12 (1). p. 1-15. Includes references. (NAL Call No.: DNAL SB113.2.J6).

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Seed priming procedures and the effect of subsequent storage on the germination of fresh market tomato seeds.
Odell, G.B. ; Cantliffe, D.J. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986 (pub. 1987). v. 99. p. 303-306. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

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Seed propagation of Gentiana scabra.
Bicknell, R.A. Boulder : The Society. Combined proceedings - International Plant Propagators' Society. 1984 (pub. 1985). v. 34. p. 396-401. Includes 2 references. (NAL Call No.: DNAL 451 P692).

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Seed propagation of palms.
Raugh, F.D. ; Schmidt, L.-Murakami, P.K. Boulder : The Society. Combined proceedings - International Plant Propagators' Society. 1983. v. 32. p. 341-347. Includes references. (NAL Call No.: 451 P692).

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Seed propagation of Paramongaia.
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ANURA. McTavish, B. Chicago, Ill. : American Nurseryman Publishing Co. American nurseryman. Aug 15, 1986. v. 164 (4). p. 55-56, 60, 62-63. Includes references. (NAL Call No.: DNAL 80 AM371).

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Seed starting and transplanting.
Fairbanks : The Services. Publication - University of Alaska. Cooperative Extension Service. Division of Statewide Services. Aug 1984. (A-00032). 6 p. (NAL Call No.: DNAL 275.29 AL13P).

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Seed-starting secrets.
ORGAA. Bubel, N. Emmaus, Pa. : Rodale Press. Organic gardening. Feb 1985. v. 32 (2). p. 52, 54-59. ill. (NAL Call No.: DNAL 57.8 OR32).

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Seed technology aspects of flower seed germination.
AHORA. Alderson, P.G. Wageningen : International Society for Horticultural Science. Acta horticulturae. In the series analytic: Germination of Ornamental Plant Seeds / edited by K.J. Bradford. Proceedings of the 22nd International Horticultural Congress, August 12, 1986, Davis, California. April 1987. (202). p. 35-47. ill. Includes references. (NAL Call No.: DNAL 80 AC82).

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